

Test report is for reference only.

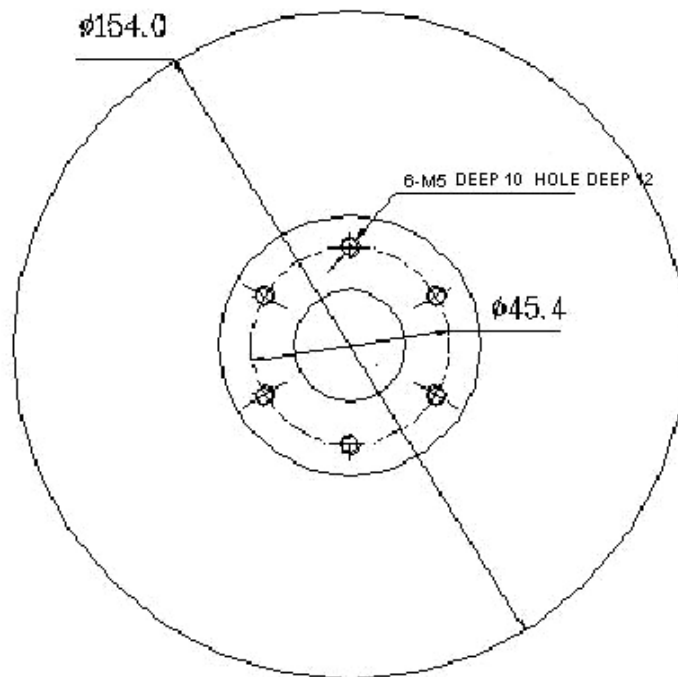
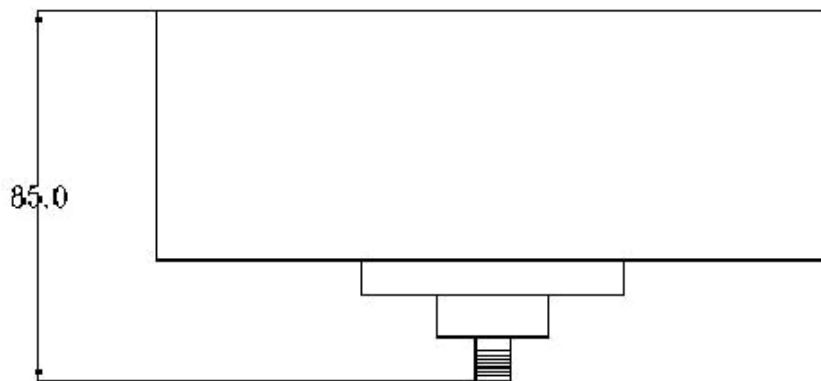
TEST REPORT
for
C&Q TXLX-840



Technical Specification

| | |
|-----------------------------|-------------|
| Polarization | RHCP |
| Frequency Range(GHz) | 0.8-4 |
| Gain(dBi) | 0.6 @0.8GHz |
| | 1.8 @2GHz |
| | 2.2 @4GHz |
| Beamwidth(°) | 110-70 |
| Axial Ratio(dB) | 3 max |
| VSWR | 2:1 Typ. |
| Connector | SMA-Female |
| Size(mm) | Φ154.0x85.0 |
| Net Weight(Kg) | 0.76 Around |

Outline Drawing



Test Instruments

- HP8720D
- AV14812
- AV4033

Test Results

1. Gain

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Frequency(GHz) | 0.8 | 1 | 2 | 3 | 4 |
| Gain(dBi) | 0.6 | 1.4 | 1.8 | 2.6 | 2.2 |

2. Axial Ratio

| | | | | | |
|-----------------|-----|-----|---|-----|-----|
| Frequency(GHz) | 0.8 | 1 | 2 | 3 | 4 |
| Axial Ratio(dB) | 2.2 | 1.5 | 2 | 1.8 | 1.3 |

3. 3dB Beamwidth

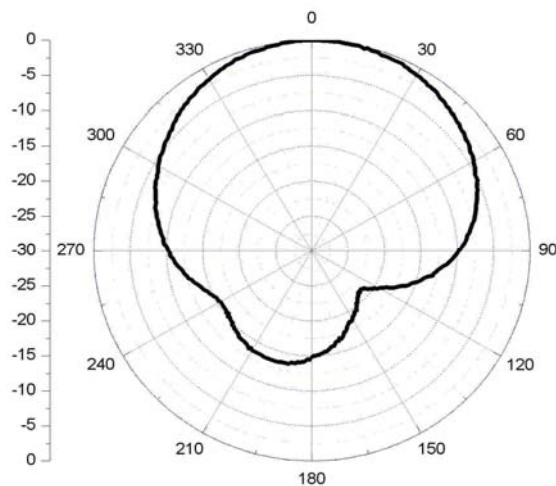
| Frequency(GHz) | E(°) | H(°) |
|----------------|------|------|
| 0.8 | 90 | 90 |
| 1 | 86 | 86 |
| 2 | 74 | 74 |
| 3 | 72 | 72 |
| 4 | 76 | 76 |

4. Front to Back Ratio

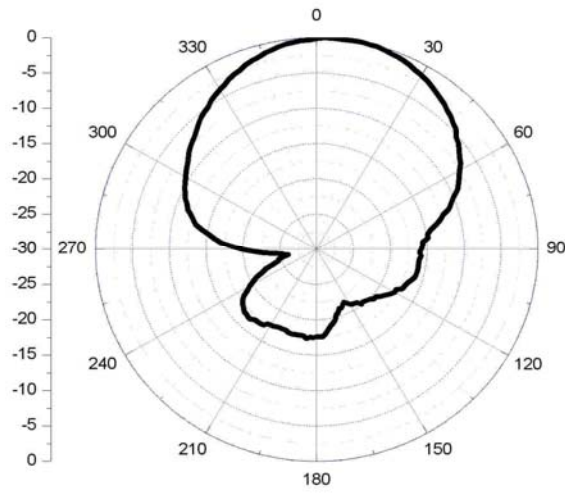
| | | | | | |
|-------------------|------|------|------|------|------|
| Frequency(GHz) | 0.8 | 1 | 2 | 3 | 4 |
| Front to Back(dB) | 15.6 | 15.2 | 16.6 | 20.7 | 18.3 |

5. Pattern

Frequency: 0.8GHz



Frequency: 2GHz



Frequency: 4GHz

